Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/04/2017 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124679	-1	1.69	124490	1.70
Blue	F	SSC	125000	122453	-3	3.22	122674	3.11
Blue	E	FITC	21625	20931	-4	2.45	935	9.86
Blue	D	PE	26832	26592	-1	1.98	954	9.45
Blue	B	PerCP-Cy5-5	48027	47345	-2	3.37	1356	16.62
Blue	A	PE-Cy7	40971	40767	-1	5.05	629	34.88
Red	C	APC	49746	48989	-2	2.85	2813	9.44
Red	A	APC-Cy7	53615	52826	-2	2.98	1094	11.13
Violet	B	V450	14488	13983	-4	5.59	669	9.68
Violet	A	V500	55123	53963	-3	5.40	2401	7.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18445	5.43	604	6	N/A	N/A	Pass
Blue	F	SSC	60844	1.44	534	0	N/A	N/A	Pass
Blue	E	FITC	104	39.41	534	-2	0.0231	265	Pass
Blue	D	PE	208	29.09	531	0	0.1841	306	Pass
Blue	B	PerCP-Cy5-5	212	45.12	626	-3	0.0106	138	Pass
Blue	A	PE-Cy7	70	114.69	676	-5	0.0123	13	Pass
Red	C	APC	330	27.61	589	-5	0.0207	80	Pass
Red	A	APC-Cy7	120	39.16	572	-8	0.0057	1469	Pass
Violet	B	V450	82	41.51	470	-1	0.0494	1999	Pass
Violet	A	V500	174	24.48	496	0	0.0158	1047	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.70	-31.16	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.98	13.27 - 19.91	N/A	N/A	31.31	31.73	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11484

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments